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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158012	robot or robotic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:02
L2	254	I1 and ultrasound adj2 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:04
L3	105	l2 and (chamber or chambers)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:06
L4	77	l3 and tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:06

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NEWS 5
        DEC 18
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                CHEMLIST enhanced with New Zealand Inventory of Chemicals
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        JAN 16
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                multiple databases
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NEWS 16 FEB 15
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                RUSSIAPAT enhanced with pre-1994 records
NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 19 FEB 26 MEDLINE reloaded with enhancements
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NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000
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=> s robot or robotic

2381 ROBOT

2232 ROBOTIC

L1 4176 ROBOT OR ROBOTIC

=> s l1 and ultrasound(w)transducer

76720 ULTRASOUND

23981 TRANSDUCER

186 ULTRASOUND (W) TRANSDUCER

L2 0 L1 AND ULTRASOUND (W) TRANSDUCER

=> s l1 and ultrasound

76720 ULTRASOUND

L3 23 L1 AND ULTRASOUND

=> s 13 and tissue

691610 TISSUE

L4 1 L3 AND TISSUE

=> d ti ab

L4 ANSWER 1 OF 1 CA COPYRIGHT 2007 ACS on STN

TI Methods and systems for applying multi-mode energy to biological samples AB A system for applying energy to cells so as to elicit the formation of pores, to enhance transfection, and/or cell transformation, includes a computer, a plurality of acoustic probes for controllably applying acoustic energy to batches of cells, and a robot operatively for effecting relative movement between the probes and the batches of cells. Preferably, the acoustic energy comprises ultrasonic energy, which is applied in combination with optical or elec. energy to enhance the formation of pores in surface membranes of the cells.

samples)

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L4
     ANSWER 1 OF 1 CA COPYRIGHT 2007 ACS on STN
     139:273261 CA
AN
     Entered STN: 23 Oct 2003
ED
     Methods and systems for applying multi-mode energy to biological samples
ΤI
IN
     Unger, Evan C.; Wu, Yunqiu; McCreery, Thomas
     Imarx Therapeutics, Inc., USA
PΑ
     U.S., 20 pp., Division of U.S. Ser. No. 291,502, abandoned.
so
     CODEN: USXXAM
DT
     Patent
     English
LA
IC
     ICM C12N013-00
     ICS C12N015-87
INCL 435173500; 435173100; 435173600; 435461000; 204450000; 204157620;
     204600000
     9-16 (Biochemical Methods)
CC
FAN.CNT 1
     PATENT NO.
                      KIND DATE
                                        APPLICATION NO.
                                                              DATE
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PΙ
    US 6627421
                       B1
                              20030930 US 2001-827583 20010405
PRAI US 1999-291502
                       B3
                             19990413
CLASS
 PATENT NO.
               CLASS PATENT FAMILY CLASSIFICATION CODES
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               US 6627421
               ICM
                       C12N013-00
              · ICS
                       C12N015-87
                INCL
                       435173500; 435173100; 435173600; 435461000; 204450000;
                       204157620; 204600000
                IPCI
                       C12N0013-00 [ICM,7]; C12N0015-87 [ICS,7]
                       C12N0015-87 [I,C*]; C12N0015-87 [I,A]
                IPCR
                       435/173.500; 204/157.620; 204/450.000; 204/600.000;
                NCL
                       435/173.100; 435/173.600; 435/461.000
                ECLA
                       C12N015/87
AB
    A system for applying energy to cells so as to elicit the formation of
    pores, to enhance transfection, and/or cell transformation, includes a
     computer, a plurality of acoustic probes for controllably applying
     acoustic energy to batches of cells, and a robot operatively for
     effecting relative movement between the probes and the batches of cells.
     Preferably, the acoustic energy comprises ultrasonic energy, which is
     applied in combination with optical or elec. energy to enhance the
     formation of pores in surface membranes of the cells.
ST
     system multi energy biol
IT
    Wave
        (Continuous or pulsed; methods and systems for applying multi-mode
       energy to biol. samples)
ΙT
    Apparatus
        (Endoscopic sonoelectroporation; methods and systems for applying
       multi-mode energy to biol. samples)
IT
        (Multi-mode; methods and systems for applying multi-mode energy to
       biol. samples)
IT
        (Optical; methods and systems for applying multi-mode energy to biol.
       samples)
IT
    Organ, animal
        (Perfused; methods and systems for applying multi-mode energy to biol.
       samples)
ΙT
    Frequency
       (Pulse repetition; methods and systems for applying multi-mode energy
       to biol. samples)
IT
       (Reverse; methods and systems for applying multi-mode energy to biol.
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IT
     Electroporation
     Transducers
        (Sonoelectroporation; methods and systems for applying multi-mode
        energy to biol. samples)
IT
     Animal tissue
        (Thick; methods and systems for applying multi-mode energy to biol.
        samples)
IT
     Apparatus
        (Transcutaneous sonoelectroporation; methods and systems for applying
        multi-mode energy to biol. samples)
IT
        (Ultrasonic; methods and systems for applying multi-mode energy to
        biol. samples)
     Animal tissue culture
IT
        (Unilamellar; methods and systems for applying multi-mode energy to
        biol. samples)
IT
     Acoustic devices
     Apparatus
     Biological materials
     Bioreactors
     Body, anatomical
     Cell
     Cell membrane
     Computers
     Electric current
     Electric energy
     Electric field
     Electrodes
     Energy
     Escherichia coli
     Frequency
     Materials
     Plasmids
     Pore
     Sound and Ultrasound
     Transducers
     Transformation, genetic
        (methods and systems for applying multi-mode energy to biol. samples)
IT
     Gene expression
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (methods and systems for applying multi-mode energy to biol. samples)
IT
     Robotics
        (robot; methods and systems for applying multi-mode energy to
        biol. samples)
IT
     Biological transport
        (uptake; methods and systems for applying multi-mode energy to biol.
       samples)
RE.CNT 13
              THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
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